

## SERVER APPLICATION COMPONENTS WITH CONTROL OVER STATE DURATION

### ABSTRACT OF THE DISCLOSURE

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A component-based framework includes system services and component integration interfaces that provide a run-time environment for component-based server application in which server application components have control over the duration of their state independent of client action. The framework provides

10 functions that a server application component calls to indicate its work for a client is complete, and its state is to be destroyed. On the component's return from the client's method call, the framework destroys the component's state thus releasing any server computer resources held by the component. This allows the server application components to be programmed so as to minimize the duration

15 that their state remains in memory consuming server computer resources, and which enhances scalability of the server application.

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